

ABSTRACT

A switched capacitor circuit of a pipeline analog to digital converter. The pipeline ADC includes a clock generator, a signal reference circuit, and a plurality of switched capacitor circuit. Each switched capacitor includes an operational amplifier, a first sampling capacitor, a first signal input switch, a first reference input switch, a first reference reset switch, and a first feedback network. A method for operating the switched capacitor circuit includes after the first reference input switch turning off, turning on the first signal input switch to transmit a first input signal to the first sampling capacitor and turning on the first reference reset switch to transmit a common signal to a second terminal of the first reference input switch, turning off the first reference reset switch then turning off the first signal input switch, and after the first signal input switch turning off, turning on the first reference input switch.